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\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	Feb 24	PCTGEN now available on STN
NEWS	4	Feb 24	TEMA now available on STN
NEWS	5	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	6	Feb 26	PCTFULL now contains images
NEWS	7	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	8	Mar 24	PATDPAFULL now available on STN
NEWS	9	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	10	Apr 11	Display formats in DGENE enhanced
NEWS	11	Apr 14	MEDLINE Reload
NEWS	12	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	13	SEP 09	CA/CAPLUS records now contain indexing from 1907 to the present
NEWS	14	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	15	Apr 28	RDISCLOSURE now available on STN
NEWS	16	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS	17	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS	18	May 15	Supporter information for ENCOMPAT and ENCOMPLIT updated
NEWS	19	May 19	Simultaneous left and right truncation added to WSCA
NEWS	20	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS	21	Jun 06	Simultaneous left and right truncation added to CBNB
NEWS	22	Jun 06	PASCAL enhanced with additional data
NEWS	23	Jun 20	2003 edition of the FSTA Thesaurus is now available
NEWS	24	Jun 25	HSDB has been reloaded
NEWS	25	Jul 16	Data from 1960-1976 added to RDISCLOSURE
NEWS	26	Jul 21	Identification of STN records implemented
NEWS	27	Jul 21	Polymer class term count added to REGISTRY
NEWS	28	Jul 22	INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available
NEWS	29	AUG 05	New pricing for EUROPATFULL and PCTFULL effective August 1, 2003
NEWS	30	AUG 13	Field Availability (/FA) field enhanced in BEILSTEIN
NEWS	31	AUG 15	PATDPAFULL: one FREE connect hour, per account, in September 2003
NEWS	32	AUG 15	PCTGEN: one FREE connect hour, per account, in September 2003
NEWS	33	AUG 15	RDISCLOSURE: one FREE connect hour, per account, in September 2003
NEWS	34	AUG 15	TEMA: one FREE connect hour, per account, in September 2003
NEWS	35	AUG 18	Data available for download as a PDF in RDISCLOSURE
NEWS	36	AUG 18	Simultaneous left and right truncation added to PASCAL
NEWS	37	AUG 18	FROSTI and KOSMET enhanced with Simultaneous Left and Right

# Truncation

NEWS 38 AUG 18 Simultaneous left and right truncation added to ANABSTR

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT  
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 18:05:03 ON 10 SEP 2003

=> file medline, uspatful, dgene, embase, wpids  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'MEDLINE' ENTERED AT 18:05:21 ON 10 SEP 2003

FILE 'USPATFULL' ENTERED AT 18:05:21 ON 10 SEP 2003  
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'DGENE' ENTERED AT 18:05:21 ON 10 SEP 2003  
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FILE 'EMBASE' ENTERED AT 18:05:21 ON 10 SEP 2003  
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FILE 'WPIDS' ENTERED AT 18:05:21 ON 10 SEP 2003  
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=> s nucleic acid binding protein  
3 FILES SEARCHED...

L1 2166 NUCLEIC ACID BINDING PROTEIN

=> s l1 and triplet code

L2 0 L1 AND TRIPLET CODE

=> s l1 and rules

L3 207 L1 AND RULES

=> s l3 and quadruplet code

L4 0 L3 AND QUADRUPLET CODE

=> e choo, Y/au

E1	1	CHOO YOUNG MOO/AU
E2	1	CHOO YUEN MAY/AU
E3	0 -->	CHOO, Y/AU
E4	25	CHOOB M/AU
E5	10	CHOOB M V/AU
E6	2	CHOOB MIKHAIL/AU

E7 22 CHOObACK L/AU  
 E8 2 CHOObACK LILIAN/AU  
 E9 1 CHOObACK LILLIAN/AU  
 E10 1 CHOObE E/AU  
 E11 2 CHOObINEH A R/AU  
 E12 2 CHOObINEH E/AU

=> s e2

L5 1 "CHOO YUEN MAY"/AU

=> d 15 ti abs ibib tot

L5 ANSWER 1 OF 1 USPATFULL on STN

TI Recovery of carotenes

AB A process for the recovery of carotenes and the production of carotene concentrate from natural oils and fats. The carotene-containing natural oils and fats is subjected to alcoholic esterification to form a mixture of fatty acid alkyl esters, carotenes, tocopherols and tocotrienols. The alkyl esters mixture is subjected to vacuum distillation at a pressure of less than 60 mTorr and a temperature of less than 180.degree. C. to form a carotene-rich concentrate. The carotenes in the carotene-rich concentrate are adsorptively separated, concentrated and collected as carotene-rich fraction.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2000:71019 USPATFULL

TITLE: Recovery of carotenes

INVENTOR(S): Ooi, Cheng Keat, Selangor Darul Ehsan, Malaysia

Choo, Yuen May, Selangor Darul Ehsan,

Malaysia

Ma, Ah Ngan, Selangor Darul Ehsan, Malaysia

Yap, Soon Chee, Selangor Darul Ehsan, Malaysia

PATENT ASSIGNEE(S): Palm Oil Research & Development Board, Selangor, Malaysia (non-U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION:

US 6072092		20000606
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APPLICATION INFO.:

US 1996-640398		19960430 (8)
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RELATED APPLN. INFO.:

Continuation of Ser. No. US 1994-304597, filed on 12 Sep 1994, now abandoned

NUMBER	DATE
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PRIORITY INFORMATION:

MY 1994-9400659	19940318
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DOCUMENT TYPE:

Utility

FILE SEGMENT:

Granted

PRIMARY EXAMINER:

Niebling, John F.

ASSISTANT EXAMINER:

Ghyka, Alexander G.

LEGAL REPRESENTATIVE:

Ladas & Parry

NUMBER OF CLAIMS:

4

EXEMPLARY CLAIM:

1

LINE COUNT:

455

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 18:05:03 ON 10 SEP 2003)

FILE 'MEDLINE, USPATFULL, DGENE, EMBASE, WPIDS' ENTERED AT 18:05:21 ON 10 SEP 2003

L1 2166 S NUCLEIC ACID BINDING PROTEIN

L2 0 S L1 AND TRIPLET CODE

L3 207 S L1 AND RULES  
L4 0 S L3 AND QUADRUPLLET CODE  
E CHOO, Y/AU  
L5 1 S E2

=> s l3 and base 3

L6 4 L3 AND BASE 3

=> d l6 ti abs ibib tot

L6 ANSWER 1 OF 4 USPATFULL on STN

TI Compositions and methods for the therapy and diagnosis of colon cancer  
AB Compositions and methods for the therapy and diagnosis of cancer,  
particularly colon cancer, are disclosed. Illustrative compositions  
comprise one or more colon tumor polypeptides, immunogenic portions  
thereof, polynucleotides that encode such polypeptides, antigen  
presenting cell that expresses such polypeptides, and T cells that are  
specific for cells expressing such polypeptides. The disclosed  
compositions are useful, for example, in the diagnosis, prevention  
and/or treatment of diseases, particularly colon cancer.

ACCESSION NUMBER: 2003:237907 USPATFULL  
TITLE: Compositions and methods for the therapy and diagnosis  
of colon cancer  
INVENTOR(S): King, Gordon E., Shoreline, WA, UNITED STATES  
Meagher, Madeleine Joy, Seattle, WA, UNITED STATES  
Xu, Jiangchun, Bellevue, WA, UNITED STATES  
Secrist, Heather, Seattle, WA, UNITED STATES  
Jiang, Yuqiu, Kent, WA, UNITED STATES  
PATENT ASSIGNEE(S): Corixa Corporation, Seattle, WA, UNITED STATES, 98104  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003166064	A1	20030904
APPLICATION INFO.:	US 2002-99926	A1	20020314 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-33528, filed on 26 Dec 2001, PENDING Continuation-in-part of Ser. No. US 2001-920300, filed on 31 Jul 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-302051P	20010629 (60)
	US 2001-279763P	20010328 (60)
	US 2000-223283P	20000803 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300, SEATTLE, WA, 98104-7092	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
LINE COUNT:	8531	

L6 ANSWER 2 OF 4 USPATFULL on STN

TI Compositions and methods for the therapy and diagnosis of pancreatic  
cancer  
AB Compositions and methods for the therapy and diagnosis of cancer,  
particularly pancreatic cancer, are disclosed. Illustrative compositions  
comprise one or more pancreatic tumor polypeptides, immunogenic portions  
thereof, polynucleotides that encode such polypeptides, antigen  
presenting cell that expresses such polypeptides, and T cells that are  
specific for cells expressing such polypeptides. The disclosed  
compositions are useful, for example, in the diagnosis, prevention  
and/or treatment of diseases, particularly pancreatic cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:106233 USPATFULL  
TITLE: Compositions and methods for the therapy and diagnosis  
of pancreatic cancer  
INVENTOR(S): Benson, Darin R., Seattle, WA, UNITED STATES  
Kalos, Michael D., Seattle, WA, UNITED STATES  
Lodes, Michael J., Seattle, WA, UNITED STATES  
Persing, David H., Redmond, WA, UNITED STATES  
Hepler, William T., Seattle, WA, UNITED STATES  
Jiang, Yuqiu, Kent, WA, UNITED STATES  
PATENT ASSIGNEE(S): Corixa Corporation, Seattle, WA, UNITED STATES, 98104  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003073144	A1	20030417
APPLICATION INFO.:	US 2002-60036	A1	20020130 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-333626P	20011127 (60)
	US 2001-305484P	20010712 (60)
	US 2001-265305P	20010130 (60)
	US 2001-267568P	20010209 (60)
	US 2001-313999P	20010820 (60)
	US 2001-291631P	20010516 (60)
	US 2001-287112P	20010428 (60)
	US 2001-278651P	20010321 (60)
	US 2001-265682P	20010131 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH  
AVE, SUITE 6300, SEATTLE, WA, 98104-7092  
NUMBER OF CLAIMS: 17  
EXEMPLARY CLAIM: 1  
LINE COUNT: 14253  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 3 OF 4 USPATFULL on STN  
TI Compositions and methods for the therapy and diagnosis of colon cancer  
AB Compositions and methods for the therapy and diagnosis of cancer,  
particularly colon cancer, are disclosed. Illustrative compositions  
comprise one or more colon tumor polypeptides, immunogenic portions  
thereof, polynucleotides that encode such polypeptides, antigen  
presenting cell that expresses such polypeptides, and T cells that are  
specific for cells expressing such polypeptides. The disclosed  
compositions are useful, for example, in the diagnosis, prevention  
and/or treatment of diseases, particularly colon cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:272801 USPATFULL  
TITLE: Compositions and methods for the therapy and diagnosis  
of colon cancer  
INVENTOR(S): Stolk, John A., Bothell, WA, UNITED STATES  
Xu, Jiangchun, Bellevue, WA, UNITED STATES  
Chenault, Ruth A., Seattle, WA, UNITED STATES  
Meagher, Madeleine Joy, Seattle, WA, UNITED STATES  
PATENT ASSIGNEE(S): Corixa Corporation, Seattle, WA, UNITED STATES, 98104  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002150922	A1	20021017

APPLICATION INFO.: US 2001-998598 A1 20011116 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-304037P	20010710 (60)
	US 2001-279670P	20010328 (60)
	US 2001-267011P	20010206 (60)
	US 2000-252222P	20001120 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300, SEATTLE, WA, 98104-7092	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
LINE COUNT:	9233	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 4 OF 4 USPATFULL on STN

TI Compositions and methods for the therapy and diagnosis of ovarian cancer  
AB Compositions and methods for the therapy and diagnosis of cancer, particularly ovarian cancer, are disclosed. Illustrative compositions comprise one or more ovarian tumor polypeptides, immunogenic portions thereof, polynucleotides that encode such polypeptides, antigen presenting cell that expresses such polypeptides, and T cells that are specific for cells expressing such polypeptides. The disclosed compositions are useful, for example, in the diagnosis, prevention and/or treatment of diseases, particularly ovarian cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:243051 USPATFULL  
TITLE: Compositions and methods for the therapy and diagnosis of ovarian cancer  
INVENTOR(S): Algate, Paul A., Issaquah, WA, UNITED STATES  
Jones, Robert, Seattle, WA, UNITED STATES  
Harlocker, Susan L., Seattle, WA, UNITED STATES  
PATENT ASSIGNEE(S): Corixa Corporation, Seattle, WA, UNITED STATES, 98104 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002132237	A1	20020919
APPLICATION INFO.:	US 2001-867701	A1	20010529 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-207484P	20000526 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300, SEATTLE, WA, 98104-7092	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1	
LINE COUNT:	25718	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s 11 and binding

L7 2166 L1 AND BINDING

=> s 17 and nucleotide sequence

2 FILES SEARCHED...

L8 718 L7 AND NUCLEOTIDE SEQUENCE

=> s 11 and binding nucleotide sequence

L9 12 L1 AND BINDING NUCLEOTIDE SEQUENCE

=> d l9 ti abs ibib tot

L9 ANSWER 1 OF 12 USPATFULL on STN

TI Compositions and methods for the therapy and diagnosis of colon cancer  
AB Compositions and methods for the therapy and diagnosis of cancer, particularly colon cancer, are disclosed. Illustrative compositions comprise one or more colon tumor polypeptides, immunogenic portions thereof, polynucleotides that encode such polypeptides, antigen presenting cell that expresses such polypeptides, and T cells that are specific for cells expressing such polypeptides. The disclosed compositions are useful, for example, in the diagnosis, prevention and/or treatment of diseases, particularly colon cancer.

ACCESSION NUMBER: 2003:237907 USPATFULL  
TITLE: Compositions and methods for the therapy and diagnosis of colon cancer  
INVENTOR(S): King, Gordon E., Shoreline, WA, UNITED STATES  
Meagher, Madeleine Joy, Seattle, WA, UNITED STATES  
Xu, Jiangchun, Bellevue, WA, UNITED STATES  
Secrist, Heather, Seattle, WA, UNITED STATES  
Jiang, Yuqiu, Kent, WA, UNITED STATES  
PATENT ASSIGNEE(S): Corixa Corporation, Seattle, WA, UNITED STATES, 98104 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003166064	A1	20030904
APPLICATION INFO.:	US 2002-99926	A1	20020314 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-33528, filed on 26 Dec 2001, PENDING Continuation-in-part of Ser. No. US 2001-920300, filed on 31 Jul 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-302051P	20010629 (60)
	US 2001-279763P	20010328 (60)
	US 2000-223283P	20000803 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300, SEATTLE, WA, 98104-7092	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
LINE COUNT:	8531	

L9 ANSWER 2 OF 12 USPATFULL on STN

TI Compositions and methods for the therapy and diagnosis of pancreatic cancer  
AB Compositions and methods for the therapy and diagnosis of cancer, particularly pancreatic cancer, are disclosed. Illustrative compositions comprise one or more pancreatic tumor polypeptides, immunogenic portions thereof, polynucleotides that encode such polypeptides, antigen presenting cell that expresses such polypeptides, and T cells that are specific for cells expressing such polypeptides. The disclosed compositions are useful, for example, in the diagnosis, prevention and/or treatment of diseases, particularly pancreatic cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:106233 USPATFULL  
TITLE: Compositions and methods for the therapy and diagnosis of pancreatic cancer  
INVENTOR(S): Benson, Darin R., Seattle, WA, UNITED STATES

Kalos, Michael D., Seattle, WA, UNITED STATES  
 Lodes, Michael J., Seattle, WA, UNITED STATES  
 Persing, David H., Redmond, WA, UNITED STATES  
 Hepler, William T., Seattle, WA, UNITED STATES  
 Jiang, Yuqiu, Kent, WA, UNITED STATES  
 PATENT ASSIGNEE(S): Corixa Corporation, Seattle, WA, UNITED STATES, 98104  
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003073144	A1	20030417
APPLICATION INFO.:	US 2002-60036	A1	20020130 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-333626P	20011127 (60)
	US 2001-305484P	20010712 (60)
	US 2001-265305P	20010130 (60)
	US 2001-267568P	20010209 (60)
	US 2001-313999P	20010820 (60)
	US 2001-291631P	20010516 (60)
	US 2001-287112P	20010428 (60)
	US 2001-278651P	20010321 (60)
	US 2001-265682P	20010131 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH  
 AVE, SUITE 6300, SEATTLE, WA, 98104-7092  
 NUMBER OF CLAIMS: 17  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 14253  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 3 OF 12 USPATFULL on STN  
 TI Assays for measuring nucleic acid damaging activities  
 AB A method for assaying a sample for a nucleic acid damaging activity  
 using at least one singular double-stranded nucleic acid with at least  
 one electrochemiluminescent label, and a method for measuring an  
 inhibitor of a nucleic acid damaging activity with at least one singular  
 double-stranded nucleic acid using at least one electrochemiluminescent  
 label, are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 ACCESSION NUMBER: 2002:294550 USPATFULL  
 TITLE: Assays for measuring nucleic acid damaging activities  
 INVENTOR(S): Heroux, Jeffrey A., Middletown, MD, UNITED STATES  
 Sigal, George B., Rockville, MD, UNITED STATES  
 von Borstel, Reid W., Potomac, MD, UNITED STATES  
 PATENT ASSIGNEE(S): IGEN International, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002164593	A1	20021107
APPLICATION INFO.:	US 2001-799551	A1	20010307 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-157809, filed on 17 Sep 1998, PATENTED		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Nixon & Vanderhye P.C., 8th Floor, 1100 N. Glebe Rd., Arlington, VA, 22201		
NUMBER OF CLAIMS:	26		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	8 Drawing Page(s)		
LINE COUNT:	1738		



CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 4 OF 12 USPATFULL on STN

TI Compositions and methods for the therapy and diagnosis of colon cancer  
AB Compositions and methods for the therapy and diagnosis of cancer, particularly colon cancer, are disclosed. Illustrative compositions comprise one or more colon tumor polypeptides, immunogenic portions thereof, polynucleotides that encode such polypeptides, antigen presenting cell that expresses such polypeptides, and T cells that are specific for cells expressing such polypeptides. The disclosed compositions are useful, for example, in the diagnosis, prevention and/or treatment of diseases, particularly colon cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:272801 USPATFULL  
TITLE: Compositions and methods for the therapy and diagnosis of colon cancer  
INVENTOR(S): Stolk, John A., Bothell, WA, UNITED STATES  
Xu, Jiangchun, Bellevue, WA, UNITED STATES  
Chenault, Ruth A., Seattle, WA, UNITED STATES  
Meagher, Madeleine Joy, Seattle, WA, UNITED STATES  
PATENT ASSIGNEE(S): Corixa Corporation, Seattle, WA, UNITED STATES, 98104 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002150922	A1	20021017
APPLICATION INFO.:	US 2001-998598	A1	20011116 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-304037P	20010710 (60)
	US 2001-279670P	20010328 (60)
	US 2001-267011P	20010206 (60)
	US 2000-252222P	20001120 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300, SEATTLE, WA, 98104-7092	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
LINE COUNT:	9233	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 5 OF 12 USPATFULL on STN

TI Assays for measuring nucleic acid binding proteins and enzyme activities  
AB The present invention provides processes for measuring DNA or RNA binding proteins, specific nucleic acids, as well as enzyme activities using labeled nucleic acids of labeled protein/peptide molecules.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:265846 USPATFULL  
TITLE: Assays for measuring nucleic acid binding proteins and enzyme activities  
INVENTOR(S): Heroux, Jeffrey A., Middletown, MD, UNITED STATES  
Kibbey, Maura C., Darnestown, MD, UNITED STATES  
Kenten, John H., Boyds, MD, UNITED STATES  
PATENT ASSIGNEE(S): Igen International, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002146722	A1	20021010
APPLICATION INFO.:	US 2001-976437	A1	20011015 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-157808,		filed on 17 Sep

1998, PATENTED  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: NIXON & VANDERHYE P.C., 8th Floor, 1100 North Glebe  
Road, Arlington, VA, 22201-4714  
NUMBER OF CLAIMS: 44  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 8 Drawing Page(s)  
LINE COUNT: 1752  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 6 OF 12 USPATFULL on STN  
TI Compositions and methods for the therapy and diagnosis of ovarian cancer  
AB Compositions and methods for the therapy and diagnosis of cancer,  
particularly ovarian cancer, are disclosed. Illustrative compositions  
comprise one or more ovarian tumor polypeptides, immunogenic portions  
thereof, polynucleotides that encode such polypeptides, antigen  
presenting cell that expresses such polypeptides, and T cells that are  
specific for cells expressing such polypeptides. The disclosed  
compositions are useful, for example, in the diagnosis, prevention  
and/or treatment of diseases, particularly ovarian cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:243051 USPATFULL  
TITLE: Compositions and methods for the therapy and diagnosis  
of ovarian cancer  
INVENTOR(S): Algate, Paul A., Issaquah, WA, UNITED STATES  
Jones, Robert, Seattle, WA, UNITED STATES  
Harlocker, Susan L., Seattle, WA, UNITED STATES  
PATENT ASSIGNEE(S): Corixa Corporation, Seattle, WA, UNITED STATES, 98104  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002132237	A1	20020919
APPLICATION INFO.:	US 2001-867701	A1	20010529 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-207484P	20000526 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300, SEATTLE, WA, 98104-7092	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1	
LINE COUNT:	25718	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 7 OF 12 USPATFULL on STN  
TI Compositions and methods for the therapy and diagnosis of colon cancer  
AB Compositions and methods for the therapy and diagnosis of cancer,  
particularly colon cancer, are disclosed. Illustrative compositions  
comprise one or more colon tumor polypeptides, immunogenic portions  
thereof, polynucleotides that encode such polypeptides, antigen  
presenting cell that expresses such polypeptides, and T cells that are  
specific for cells expressing such polypeptides. The disclosed  
compositions are useful, for example, in the diagnosis, prevention  
and/or treatment of diseases, particularly colon cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:242791 USPATFULL  
TITLE: Compositions and methods for the therapy and diagnosis  
of colon cancer

INVENTOR(S): King, Gordon E., Shoreline, WA, UNITED STATES  
Meagher, Madeleine Joy, Seattle, WA, UNITED STATES  
Xu, Jiangchun, Bellevue, WA, UNITED STATES  
Secrist, Heather, Seattle, WA, UNITED STATES  
PATENT ASSIGNEE(S): Corixa Corporation, Seattle, WA, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002131971	A1	20020919
APPLICATION INFO.:	US 2001-33528	A1	20011226 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-920300, filed on 31 Jul 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-302051P	20010629 (60)
	US 2001-279763P	20010328 (60)
	US 2000-223283P	20000803 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	SEED INTELLECTUAL PROPERTY LAW GROUP PLLC, 701 FIFTH AVE, SUITE 6300, SEATTLE, WA, 98104-7092	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
LINE COUNT:	8083	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L9 ANSWER 8 OF 12 USPATFULL on STN  
TI Assays for measuring nucleic acid binding proteins and enzyme activities  
AB The present invention provides processes for measuring DNA or RNA binding proteins, specific nucleic acids, as well as enzyme activities using labeled nucleic acids of labeled protein/peptide molecules.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
ACCESSION NUMBER: 2001:196800 USPATFULL  
TITLE: Assays for measuring nucleic acid binding proteins and enzyme activities  
INVENTOR(S): Heroux, Jeffrey A., Middletown, MD, United States  
Kibbey, Maura C., Darnestown, MD, United States  
Kenten, John H., Boyds, MD, United States  
PATENT ASSIGNEE(S): IGEN International, Inc., Gaithersburg, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6312896	B1	20011106
APPLICATION INFO.:	US 1998-157808		19980917 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Brusca, John S.		
LEGAL REPRESENTATIVE:	Nixon & Vanderhye P.C.		
NUMBER OF CLAIMS:	23		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 8 Drawing Page(s)		
LINE COUNT:	1667		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L9 ANSWER 9 OF 12 USPATFULL on STN  
TI Assays for measuring nucleic acid damaging activities  
AB A method for assaying a sample for a nucleic acid damaging activity using at least one singular double-stranded nucleic acid with at least one electrochemiluminescent label, and a method for measuring an inhibitor of a nucleic acid damaging activity with at least one singular

double-stranded nucleic acid using at least one electrochemiluminescent label, are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:51776 USPATFULL  
TITLE: Assays for measuring nucleic acid damaging activities  
INVENTOR(S): Heroux, Jeffrey A., Middletown, MD, United States  
Sigal, George B., Rockville, MD, United States  
von Borstel, Reid W., Potomac, MD, United States  
PATENT ASSIGNEE(S): IGEN International, Inc., Gaithersburg, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6214552	B1	20010410
APPLICATION INFO.:	US 1998-157809		19980917 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Schwartzman, Robert A.		
ASSISTANT EXAMINER:	Shibuya, Mark L.		
LEGAL REPRESENTATIVE:	Nixon & Vanderhye P.C.		
NUMBER OF CLAIMS:	4		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	22 Drawing Figure(s); 8 Drawing Page(s)		
LINE COUNT:	1642		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 10 OF 12 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN

TI Assaying of samples for enzyme activity comprises adding nucleic acid-cleaving enzymes or reagents.

AN 2003-147575 [14] WPIDS

CR 2002-088850 [12]

AB US2002146722 A UPAB: 20030227

NOVELTY - A sample is assayed with the presence of **nucleic acid binding protein** by adding a nucleic acid-cleaving enzyme (101) or reagent.

DETAILED DESCRIPTION - Assaying of sample for the presence of a **nucleic acid binding protein** comprises:

(a) mixing a predetermined single- or double-stranded nucleic acid(s) containing a label(s) and containing a protein **binding nucleotide sequence** with a sample which contain a **nucleic acid binding protein**;

(b) incubating the mixture of step (i) under conditions which allow the binding of the **nucleic acid binding protein** to the single- or double-stranded nucleic acid to form a complex;

(c) adding a nucleic acid-cleaving enzyme or reagent to the mixture of step (b);

(d) incubating the mixture of step (iii) under conditions which allow the cleavage of the predetermined single- or doubled-stranded nucleic acid which has not formed a complex; and

(e) measuring the complex to measure the **nucleic acid binding protein**.

INDEPENDENT CLAIMS are also included for:

(a) a kit for comprising container(s) a nucleic acid having a predetermined protein binding region (the nucleic acid has a detectable group), and a nucleic-acid-cleaving enzyme or nucleic acid-cleaving reagent; and

(b) a nucleic acid comprising a predetermined protein binding region.

USE - For assaying a sample for the presence of a **nucleic acid binding protein** for measuring enzyme activity, inhibitors of enzyme activity, substrates (102) of enzymes, and specific nucleic acid sequences in a sample (claimed).

ADVANTAGE - The invented method is simple, accurate and reliable in assaying the sample.

DESCRIPTION OF DRAWING(S) - The figure is a schematically view of an enzyme cleaving a substrate which is linked to a solid phase and a label.

Substrates 102

Solid phase 103

ECL label 104

Dwg.1/9

ACCESSION NUMBER: 2003-147575 [14] WPIDS

CROSS REFERENCE: 2002-088850 [12]

DOC. NO. CPI: C2003-038034

TITLE: Assaying of samples for enzyme activity comprises adding nucleic acid-cleaving enzymes or reagents.

DERWENT CLASS: B04 D16

INVENTOR(S): HEROUX, J A; KENTEN, J H; KIBBEY, M C

PATENT ASSIGNEE(S): (IGEN-N) IGEN INT INC

COUNTRY COUNT: 1

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
US 2002146722	A1	20021010	(200314)*		26

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
US 2002146722	A1 Div ex	US 1998-157808	19980917
		US 2001-976437	20011015

PRIORITY APPLN. INFO: US 1998-157808 19980917; US 2001-976437  
20011015

L9 ANSWER 11 OF 12 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN

TI Measuring nucleic acid binding properties, enzyme activities or inhibitory ability of test compounds, comprises employing nucleic acids or protein/peptide molecules with electro-chemiluminescent labels.

AN 2002-088850 [12] WPIDS

CR 2003-147575 [14]

AB US 6312896 B UPAB: 20030227

NOVELTY - Assaying a sample for the presence of nucleic acid binding proteins or inhibitors of a predetermined **nucleic acid binding protein**, comprising employing labeled nucleic acids or labeled protein/peptide molecules, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) assaying a sample for the presence of a **nucleic acid binding protein** comprising:

(a) mixing at least one predetermined single- or double-stranded nucleic acid containing at least one label and containing a protein **binding nucleotide sequence** with a sample, which may contain a **nucleic acid binding protein**;

(b) incubating the mixture of (a) under conditions that allow the binding of the **nucleic acid binding protein** to the predetermined single- or double-stranded nucleic acid to form a complex;

(c) adding a nucleic acid-cleaving enzyme or reagent to the mixture of (b);

(d) incubating the mixture of (c) under conditions that allow the cleavage of the predetermined single- or double-stranded nucleic acid that has not formed a complex; and

(e) measuring the amount of the complex by means that do not include

gel electrophoresis separation to measure the **nucleic acid binding protein**;

(2) assaying a sample for the presence of an inhibitor of a predetermined **nucleic acid binding protein** comprising:

(a) mixing at least one predetermined single- or double-stranded nucleic acid containing at least one label and containing a protein **binding nucleotide sequence** and a predetermined **nucleic acid binding protein** with a sample that may contain an inhibitor of the binding of the predetermined **nucleic acid binding protein** with the predetermined single- or double-stranded nucleic acid;

(b) incubating the mixture of (a) under conditions that allow the binding of the **nucleic acid binding protein** to the predetermined single- or double-stranded nucleic acid to form a complex; and

(c) adding a nucleic acid-cleaving enzyme or reagent to the mixture of (b), consisting of peptide nucleic acid linkages, phosphorothioate linkages and methyl phosphonate linkages;

(3) a kit comprising in one or more containers:

(a) a nucleic acid having a predetermined protein binding region where the nucleic acid has a detectable moiety attached to it, and where the nucleic acid has several nucleic acid linkages, where the linkages prevent cleavage of the nucleic acid by a nuclease when a protein is bound to the protein binding region;

(b) a nucleic acid-cleaving enzyme or nucleic acid-cleaving reagent; and

(c) a solid phase;

(4) a nucleic acid comprising a predetermined protein binding region, where the nucleic acid has a detectable moiety attached to it, and where the nucleic acid has several nucleic acid linkages, which prevent cleavage of the nucleic acid by a nuclease when a protein is bound to the protein binding region; and

(5) assaying a sample for the presence of a **nucleic acid binding protein** comprises:

(a) mixing at least one predetermined single- or double-stranded nucleic acid containing modified nucleotides that are resistant to nuclease cleavage, at least one label, and containing a protein **binding nucleotide sequence** with a sample that may contain a **nucleic acid binding protein**; and

(b) employing steps (b)-(e) of (1).

USE - The method is useful for measuring nucleic acid binding properties and enzyme activities. The method is also useful for assaying or measuring enzyme inhibitors or inhibitory ability of test compounds in a sample.

Dwg.0/9

ACCESSION NUMBER: 2002-088850 [12] WPIDS  
CROSS REFERENCE: 2003-147575 [14]  
DOC. NO. CPI: C2002-027267  
TITLE: Measuring nucleic acid binding properties, enzyme activities or inhibitory ability of test compounds, comprises employing nucleic acids or protein/peptide molecules with electro-chemiluminescent labels.  
DERWENT CLASS: B04 D16  
INVENTOR(S): HEROUX, J A; KENTEN, J H; KIBBEY, M C  
PATENT ASSIGNEE(S): (IGEN-N) IGEN INT INC  
COUNTRY COUNT: 1  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
US 6312896	B1	20011106	(200212)*		25

## APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
US 6312896	B1	US 1998-157808	19980917

PRIORITY APPLN. INFO: US 1998-157808 19980917

L9 ANSWER 12 OF 12 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN  
 TI Measuring nucleic acid binding proteins and enzyme activities, uses electrochemiluminescent labeling, useful in life science research and medical diagnostics.  
 AN 2000-271480 [23] WPIDS  
 AB WO 200015850 A UPAB: 20000516  
 NOVELTY - Assaying for nucleic acid binding proteins, enzymes, enzyme inhibitors, and specific nucleic acid sequences, using an electrochemiluminescent label, is new.  
 DETAILED DESCRIPTION - Assaying (I) for a **nucleic acid binding protein**, comprising  
 (a) mixing a nucleic acid containing a label and a protein **binding nucleotide sequence** with a test sample;  
 (b) incubating the mixture under **nucleic acid binding protein - protein binding nucleotide sequence** binding conditions to form a complex;  
 (c) adding a nucleic acid-cleaving enzyme or reagent to cleave unbound nucleic acid; and  
 (d) measuring the amount of complex.  
 INDEPENDENT CLAIMS are also included for the following:  
 (1) assaying for an inhibitor of an **nucleic acid binding protein**, comprising;  
 (a) mixing a nucleic acid containing a label and a protein **binding nucleotide sequence** with an **nucleic acid binding protein** and a test sample;  
 (b) incubating the mixture under **nucleic acid binding protein - protein binding nucleotide sequence** binding conditions to form a complex;  
 (c) adding a nucleic acid-cleaving enzyme or reagent to cleave unbound nucleic acid; and  
 (d) measuring the amount of complex;  
 (2) assaying for enzyme activity that cleaves nucleic acid, comprising:  
 (a) mixing a nucleic acid containing an electrochemiluminescent label with a test sample;  
 (b) incubating the mixture under cleavage conditions, and; and  
 (c) measuring the amount of cleaved nucleic acid;  
 (3) measuring an inhibitor of an enzyme activity which cleaves nucleic acid, comprising:  
 (a) mixing a nucleic acid containing an electrochemiluminescent label, and nucleic acid-cleaving enzyme and a test sample;  
 (b) incubating the mixture under cleavage conditions; and  
 (c) measuring the amount of cleaved nucleic acid;  
 (4) assaying for enzyme activity that cleaves peptides or proteins, comprising:  
 (a) mixing a protein or peptide containing an electrochemiluminescent label with a test sample;  
 (b) incubating the mixture under cleavage conditions; and  
 (c) measuring the amount of cleaved peptide or protein;  
 (5) assaying for an inhibitor of enzyme activity that cleaves

peptides or proteins: comprising

- (a) mixing a peptide or protein containing an electrochemiluminescent label, a peptide or protein-cleaving enzyme and a test sample;
- (b) incubating the mixture under cleavage conditions; and
- (c) measuring the amount of cleaved peptide or protein;
- (6) assaying for an enzyme activity that joins nucleic acid,

comprising:

- (a) mixing a nucleic acid containing an electrochemiluminescent label with a test sample;

- (b) incubating the mixture under joining conditions; and
- (c) measuring the amount of joined nucleic acid;
- (7) assaying for an inhibitor of an enzyme activity that joins nucleic acid, comprising:

- (a) mixing a nucleic acid containing an electrochemiluminescent label, a nucleic acid joining enzyme and a test sample;

- (b) incubating the mixture under joining conditions; and
- (c) measuring the amount of joined nucleic acid;

- (8) assaying for a specific nucleic acid sequence, comprising:

- (a) mixing a single-stranded nucleic acid sequence containing a sequence complimentary to the specific sequence and an electrochemiluminescent label with a test sample;

- (b) incubating the mixture under conditions allow binding of the nucleic acid to the specific nucleic acid sequence to form a duplex;

- (c) adding a nucleic acid-cleaving enzyme or reagent;

- (d) incubating the mixture under conditions which allow cleavage of single-stranded nucleic acid; and

- (e) measuring the amount of duplex; and

- (9) a nucleic acid comprising a protein binding region and an attached detectable moiety.

USE - The invention is useful in the fields of life sciences research and medical diagnostics (disclosed).

ADVANTAGE - The invention does not have the environmental, safety and monetary costs associated with prior art techniques involving radioactive materials, and is less labor intensive than non-radioactive labelling methods.

Dwg.8/8

ACCESSION NUMBER: 2000-271480 [23] WPIDS

DOC. NO. CPI: C2000-082972

TITLE: Measuring nucleic acid binding proteins and enzyme activities, uses electrochemiluminescent labeling, useful in life science research and medical diagnostics.

DERWENT CLASS: B04 D16 J04

INVENTOR(S): HEROUX, J A; SIGAL, G B; VON BORSTEL, R W; KENTEN, J H; KIBBEY, M C

PATENT ASSIGNEE(S): (IGEN-N) IGEN INT INC

COUNTRY COUNT: 87

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
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WO 2000015850	A1	20000323	(200023)*	EN	29
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RW:	AT	BE	CH	CY	DE	DK	EA	ES	FI	FR	GB	GH	GM	GR	IE	IT	KE	LS	LU	MC	MW	NL
	OA	PT	SD	SE	SL	SZ	TZ	UG	ZW													

W:	AE	AL	AM	AT	AU	AZ	BA	BB	BG	BR	BY	CA	CH	CN	CU	CZ	DE	DK	EE	ES	FI	GB
	GD	GE	GH	GM	HR	HU	ID	IL	IN	IS	JP	KE	KG	KP	KR	KZ	LC	LK	LR	LS	LT	LU
	LV	MD	MG	MK	MN	MW	MX	NO	NZ	PL	PT	RO	RU	SD	SE	SG	SI	SK	SL	TJ	TM	TR
	TT	UA	UG	UZ	VN	YU	ZA	ZW														

AU 9960426	A	20000403	(200034)		
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US 6214552	B1	20010410	(200122)		
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US 2002164593	A1	20021107	(200275)		
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APPLICATION DETAILS:

PATENT NO	KIND
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APPLICATION
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DATE
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WO 2000015850 A1	WO 1999-US21285	19990917
AU 9960426 A	AU 1999-60426	19990917
US 6214552 B1	US 1998-157809	19980917
US 2002164593 A1 Div ex	US 1998-157809	19980917
	US 2001-799551	20010307

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 9960426	A Based on	WO 2000015850

PRIORITY APPLN. INFO: US 1998-157809 19980917; US 2001-799551  
20010307